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(TDR03B)

DATA EVALUATION RECORD

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CASE GS0065 DICAMBA

PM 500 06/09/82

CHEM 029801 Dicamba (3,6-dichloro-o-anisic acid.)

BRANCH EEB DISC 40 TOPIC 05103043

FORMULATION 01 - TECHNICAL CHEMICAL

FICHE/MASTER ID 00025390 CONTENT CAT 01

Vilkas, A.G. (1977) The Acute Toxicity of Banvel Technical to the Sheepshead Minnow, "Cyprinodon variegatus": UCES Proj. # 11506-03-19. (Unpublished study received Feb 27, 1978 under 876-36; Prepared by Union Carbide Corp., submitted by Velsicol Chemical Corp., Chicago, Ill.; CDL#232965-8)

SUBST. CLASS = S.

DIRECT RVW TIME: (MH) START-DATE END-DATE

REVIEWED BY: L.W. TOUART

151

DATE: 3/1/83

TITLE: FISHERIES BIOLOGIST

ORG: EEB/HED

LOC/TEL:

SIGNATURE: L.W.T.

DATE:

APPROVED BY:

TITLE:

ORG:

LOC/TEL:

SIGNATURE:

DATA EVALUATION RECORD

1. CHEMICAL: Dicamba
2. FORMULATION: Technical (86.82% a.i.)
3. CITATION: Vilkas, A.G. (1977) The acute toxicity of Banvel Technical to the sheepshead minnow, Cyprinodon variegatus: UCES Project #11506-03-19. Unpublished report prepared by Union Carbide Corp. for Velsicol Chemical Corp. [MRID: 00025390]
4. REVIEWED BY: L.W. Touart
Fisheries Biologist
EEB/HED
5. DATE REVIEWED: 3/1/83
6. TEST TYPE: Estuarine fish acute toxicity study.
 - A. TEST SPECIES: Sheepshead minnow.
7. REPORTED RESULTS: The 96-hr LC50 >180 mg/l.
8. REVIEWERS CONCLUSIONS: The study is scientifically sound and fulfills the requirements for an acceptable estuarine fish toxicity study with technical material. With an LC50 > 180 ppm, technical DICAMBA is practically non-toxic to estuarine finfishes.

Materials/Methods

Test Procedure

The test methods are generally consistent with current EPA guidelines for conducting a estuarine fish acute toxicity test. Specifically: Dilution water- reconstituted sea water (Zaroogian, 1969), 27%, pH=8.18; test vessels- 5 gallon glass jars; fish size- 32mm mean length, 0.48g mean weight; test levels- 18, 32, 56, 100, and 180 mg/l with controls; number tested - 10/level; temperature- 22°C (+2).

Statistical Analysis

N/A

Discussion/Results

No mortalities occurred at any level tested. 96-hr LC50 > 180 mg/l.

Reviewer's Evaluation

A. Test Procedure

Generally followed EPA recommended procedures.

B. Statistical Analysis

N/A

C. Discussion/Results

The data support the conclusions drawn.

D. Conclusions:

1. Category: Core
2. Rationale: N/A
3. Repairability: N/A